

Page 1

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NEWS 8 MAY 30 The F-Term thesaurus is now available in CA/CAPLUS
NEWS 9 JUN 02 The first reclassification of IPC codes now complete in
INPADOC
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NEWS 12 JUL 11 CHEMSAFE reloaded and enhanced
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NEWS 16 AUG 28 ADISCTI Reloaded and Enhanced
NEWS 17 AUG 30 CA(SM)/CAPLUS(SM) Austrian patent law changes

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MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
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0.21

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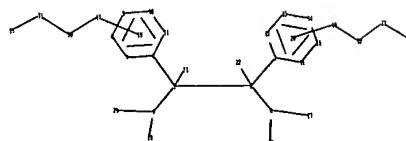
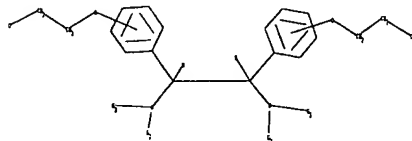
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<http://www.cas.org/ONLINE/UG/regprops.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10524550\Struc 5.str



chain nodes :

1 2 5 6 17 18 21 22 25 26 27 28 30 31 32 33 34 35

ring nodes :

3 4 7 8 9 10 11 12 13 14 15 16

10524550a.trn

chain bonds :
 1-2 1-4 1-5 1-21 2-3 2-6 2-22 5-25 5-26 6-27 6-28 17-30 18-32 30-31
 31-35 32-33 33-34
 ring bonds :
 3-12 3-16 4-7 4-11 7-8 8-9 9-10 10-11 12-13 13-14 14-15 15-16
 exact/norm bonds :
 1-5 2-6 5-25 5-26 6-27 6-28
 exact bonds :
 1-2 1-4 1-21 2-3 2-22 17-30 18-32 30-31 31-35 32-33 33-34
 normalized bonds :
 3-12 3-16 4-7 4-11 7-8 8-9 9-10 10-11 12-13 13-14 14-15 15-16
 isolated ring systems :
 containing 3 : 4 :

G1:H,Ak

G2:H,SO2

Match level :
 1:CLASS 2:CLASS 3:Atom 4:Atom 5:CLASS 6:CLASS 7:Atom 8:Atom 9:Atom 10:Atom
 11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:CLASS 18:CLASS 19:Atom
 20:Atom 21:CLASS 22:CLASS 25:CLASS 26:CLASS 27:CLASS 28:CLASS 30:CLASS
 31:CLASS 32:CLASS 33:CLASS 34:CLASS 35:CLASS

L1 STRUCTURE UPLOADED

=> d
 L1 HAS NO ANSWERS
 L1 STR
 *** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

Structure attributes must be viewed using STN Express query preparation.

=> l1
 SAMPLE SEARCH INITIATED 10:33:15 FILE 'REGISTRY'
 SAMPLE SCREEN SEARCH COMPLETED - 7 TO ITERATE

100.0% PROCESSED 7 ITERATIONS 0 ANSWERS
 SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
 BATCH **COMPLETE**
 PROJECTED ITERATIONS: 7 TO 298
 PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> l1 full
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 FULL SCREEN SEARCH COMPLETED - 153 TO ITERATE

100.0% PROCESSED 153 ITERATIONS 9 ANSWERS
 SEARCH TIME: 00.00.01

L3 9 SEA SSS FUL L1

10524550a.trn

=> file caplus
 COST IN U.S. DOLLARS
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SINCE FILE	TOTAL
ENTRY	SESSION
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=> 13

L4 4 L3

=> d ibib abs hitstr 1-4

L4 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 2004:143037 CAPLUS
 DOCUMENT NUMBER: 140:183591
 TITLE: Nitrogen-containing ligands for immobilized catalysts for asymmetric synthesis
 INVENTOR(S): Hems, William Patrick; Xiao, Jianliang; Chen, Weiping
 PATENT ASSIGNEE(S): Johnson Matthey Plc, UK
 SOURCE: PCT Int. Appl., 23 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004014551	A2	20040219	WO 2003-GB3306	20030730
WO 2004014551	A3	20040617		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,

KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,
 FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR,
 BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

CA 2494777	AA	20040219	CA 2003-2494777	20030730
AU 2003248970	A1	20040225	AU 2003-248970	20030730
EP 1545772	A2	20050629	EP 2003-784236	20030730
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
JP 2005535693	T2	20051124	JP 2004-527006	20030730
EP 1676635	A2	20060705	EP 2006-4827	20030730
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, SK				
US 2006135355	A1	20060622	US 2005-524550	20050815
PRIORITY APPLN. INFO.:			GB 2002-18675	A 20020812
			EP 2003-784236	A3 20030730
			WO 2003-GB3306	W 20030730

OTHER SOURCE(S): MARPAT 140:183591

AB An immobilized nitrogen-containing ligand is described comprising the reaction product of R1R2C(NR5R6)CR3R4(NR7R8), wherein R5, R6, R7 and R8 are independently hydrogen, a saturated or unsatd. C1-10 alkyl group, an aryl group, a urethane group, a sulfonyl group or form an imine group, R1, R2, R3, and R4 are independently hydrogen, a saturated or unsatd. C1-10 alkyl group or an aryl group and at least one of R1, R2, R3 and R4 is functionalized with a functional group, and a solid support having a site capable of reacting with the functional group. The nitrogen-containing ligand is useful for preparing immobilized catalysts for performing e.g. asym. catalysis. A supported catalyst contained (R,R)-N,N-Bis-Boc-1,2-di(3-hydroxyphenyl)ethane-1,2-diamine on polystyrene.

IT 659725-90-3P 659725-91-4P 659725-92-5P
 659725-93-6P

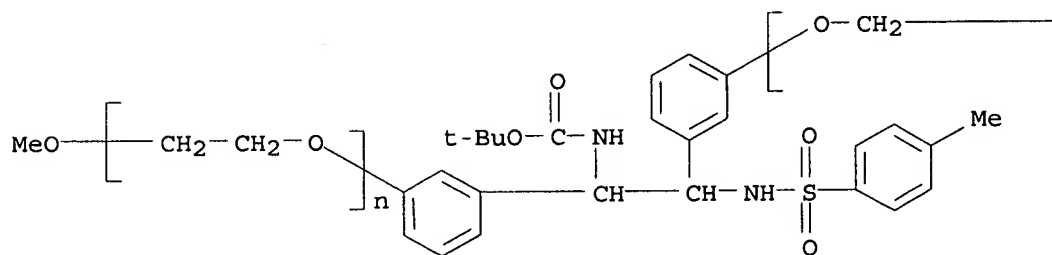
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(nitrogen-containing ligands for immobilized catalysts for asym. synthesis)

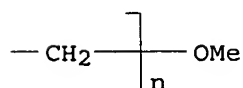
RN 659725-90-3 CAPLUS

CN Poly(oxy-1,2-ethanediyl), α,α' -[[[(1R,2R)-1-[[[(1,1-dimethylethoxy)carbonyl]amino]-2-[[[(4-methylphenyl)sulfonyl]amino]-1,2-ethanediyl]di-3,1-phenylene]bis[ω -methoxy- (9CI) (CA INDEX NAME)

PAGE 1-A

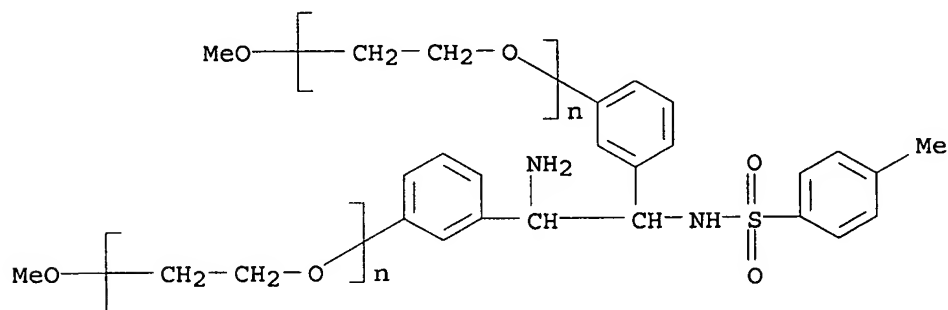


PAGE 1-B



RN 659725-91-4 CAPLUS

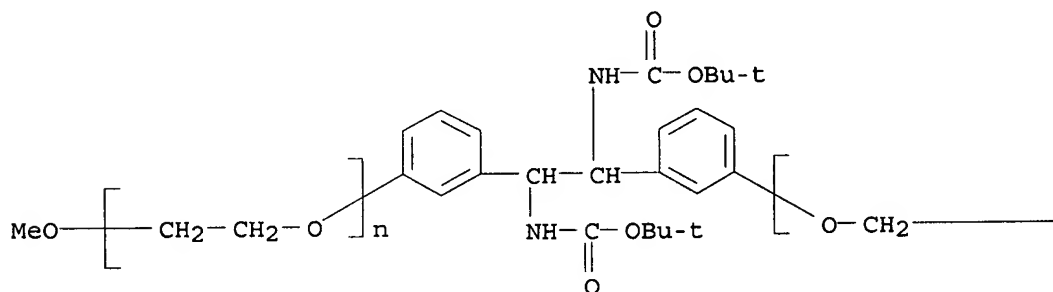
CN Poly(oxy-1,2-ethanediyl), α, α' -[[[(1R,2R)-1-amino-2-[[[4-methylphenyl)sulfonyl]amino]-1,2-ethanediyl]di-3,1-phenylene]bis(ω -methoxy- (9CI) (CA INDEX NAME)



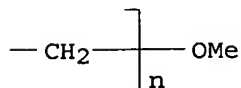
RN 659725-92-5 CAPLUS

CN Poly(oxy-1,2-ethanediyl), α, α' -[[[(1R,2R)-1,2-bis[[[1,1-dimethylethoxy)carbonyl]amino]-1,2-ethanediyl]di-3,1-phenylene]bis(ω -methoxy- (9CI) (CA INDEX NAME)

PAGE 1-A



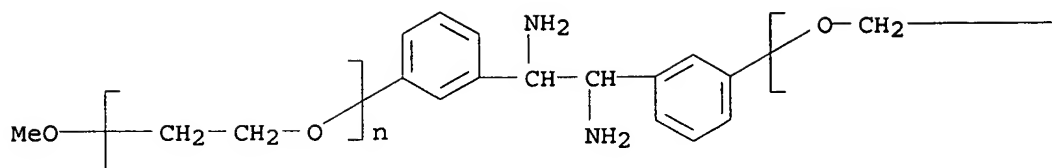
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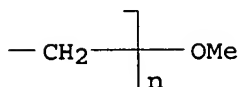
RN 659725-93-6 CAPLUS

CN Poly(oxy-1,2-ethanediyl), α, α' -[[[(1R,2R)-1,2-diamino-1,2-ethanediyl]di-3,1-phenylene]bis(ω -methoxy- (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 1-B



L4 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2003:844265 CAPLUS

DOCUMENT NUMBER: 140:59361

TITLE: Asymmetric Hydrogenation of Ketones with
Polymer-Supported Chiral 1,2-Diphenylethylenediamine
AUTHOR(S): Li, Xiaoguang; Chen, Weiping; Hems, William; King,
Frank; Xiao, Jianliang

CORPORATE SOURCE: Leverhulme Centre for Innovative Catalysis, Department
of Chemistry, University of Liverpool, Liverpool, L69
7ZD, UK

SOURCE: Organic Letters (2003), 5(24), 4559-4561

CODEN: ORLEF7; ISSN: 1523-7060

PUBLISHER: American Chemical Society

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 140:59361

AB A poly(ethylene glycol)-supported chiral diamine (PEG-2), in which the
polymer is attached to the Ph rings, has been synthesized and shown to be
highly effective in asym. hydrogenation of unfunctionalized aromatic ketones
with the possibility of reuse. PEG-2 can also serve as a chiral scaffold
on which various immobilized chiral catalysts could be easily built.

IT 638261-18-4P 638261-24-2P

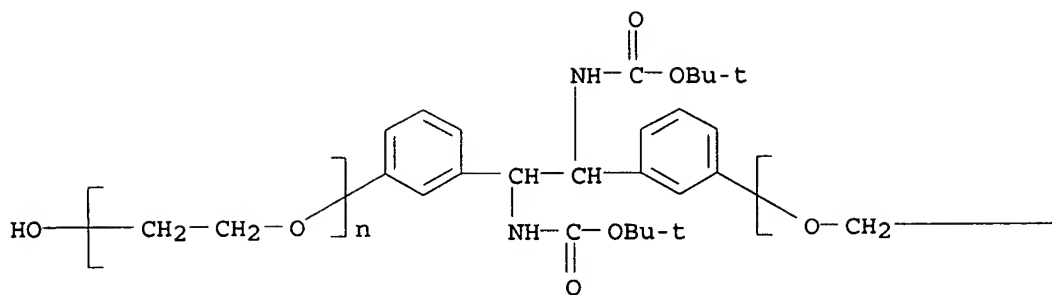
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)

(preparation of poly(ethylene glycol)-supported chiral
diphenylethylenediamine and its ruthenium complexes for asym.
hydrogenation of various aromatic ketones)

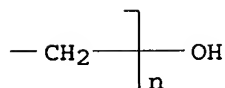
RN 638261-18-4 CAPLUS

CN Poly(oxy-1,2-ethanediyl), α,α' -[[[(1R,2R)-1,2-bis[[[(1,1-
dimethylethoxy)carbonyl]amino]-1,2-ethanediyl]di-3,1-phenylene]bis[ω -
hydroxy- (9CI) (CA INDEX NAME)

PAGE 1-A



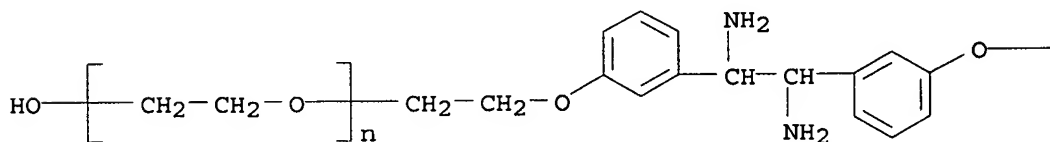
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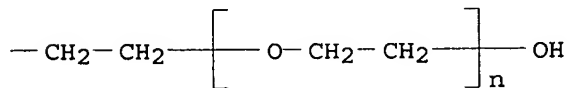
RN 638261-24-2 CAPLUS

CN Poly(oxy-1,2-ethanediyl), α, α' -[[(1R,2R)-1,2-diamino-1,2-ethanediyl]bis(3,1-phenyleneoxy-2,1-ethanediyl)]bis[ω -hydroxy- (9CI)
(CA INDEX NAME)

PAGE 1-A



PAGE 1-B



REFERENCE COUNT: 36 THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2003:483145 CAPLUS

DOCUMENT NUMBER: 140:70414

TITLE: New porphyrin platinum conjugates for the cytostatic and photodynamic tumor therapy

10524550a.trn

AUTHOR(S): Brunner, H.; Schellerer, K.-M.
 CORPORATE SOURCE: Institut fuer Anorganische Chemie, Universitaet
 Regensburg, Regensburg, D-93040, Germany
 SOURCE: Inorganica Chimica Acta (2003), 350, 39-48
 CODEN: ICHAA3; ISSN: 0020-1693
 PUBLISHER: Elsevier Science B.V.
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 140:70414

AB The combination of a porphyrin system and a platinum fragment in the same mol. should not only result in the additivity of the photodynamic activity of the porphyrin and the cytostatic activity of the platinum, but also in the enrichment of the porphyrin platinum conjugate in tumors, which platinum compds. alone do not show. New porphyrin platinum conjugates were obtained from the platinum complexes of a series of 1,2-diamines and hematoporphyrin or 13,17-bis(2-carboxyethyl)-3,8-bis[1-(ethyleneglycolmonoethylether)oxyethyl]-2,7,12,18-tetramethylporphin. The 1,2-diamines were synthesized starting from the corresponding stilbenes via 1,2-diazides. The new platinum porphyrin conjugates showed promising antitumor activity in tests with the mammary carcinoma cell line MDA-MB-231.

IT 639815-82-0P

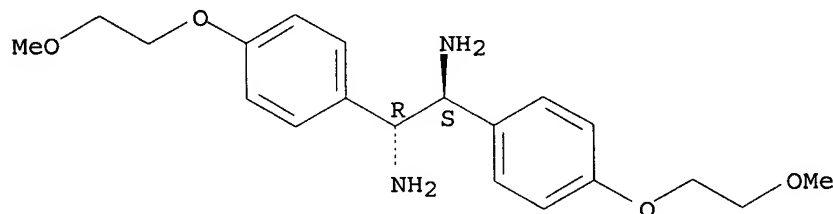
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of new porphyrin platinum conjugates for cytostatic and photodynamic tumor therapy)

RN 639815-82-0 CAPLUS

CN 1,2-Ethanediamine, 1,2-bis[4-(2-methoxyethoxy)phenyl]-, dihydrochloride, (1R,2S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



● 2 HCl

REFERENCE COUNT: 30 THERE ARE 30 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2002:605806 CAPLUS

DOCUMENT NUMBER: 138:169829

TITLE: Hydrophilic diamine ligands for catalytic asymmetric hydrogenation of C:O bonds

AUTHOR(S): Ferrand, A.; Bruno, M.; Tommasino, M. L.; Lemaire, M.

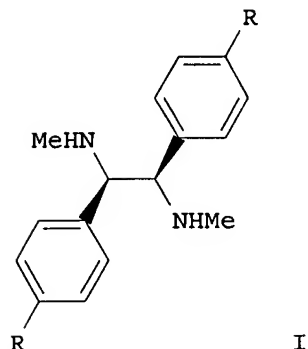
CORPORATE SOURCE: CNRS: UMR 5622, Laboratoire de Catalyse et Synthèse Organique, Villeurbanne, 69622, Fr.

SOURCE: Tetrahedron: Asymmetry (2002), 13(13), 1379-1384

CODEN: TASYE3; ISSN: 0957-4166

PUBLISHER: Elsevier Science Ltd.

DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 138:169829
 GI



AB Asym. hydrogenation of phenylglyoxylate Me ester and of acetophenone with catalytic amts. of iridium complexes containing hydrophilic chiral C2-sym. diamine ligands I [R = H, HO, MeO, Me(OCH₂CH₂)₃O] gave the corresponding benzylic alcs. as (R)-stereoisomers with ee up to 68% in hydrophilic media. The use of ligands I allows for the catalyst recovery without loss of activity and enantioselectivity in at least four hydrogenation cycles.

IT 496924-17-5P

RL: CAT (Catalyst use); SPN (Synthetic preparation); PREP (Preparation);
 USES (Uses)

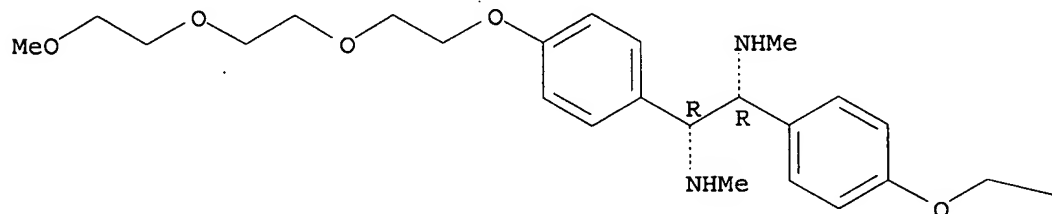
(preparation of chiral (diphenyl)ethanediamines as hydrophilic ligands for iridium-catalyzed asym. hydrogenation of aromatic ketones)

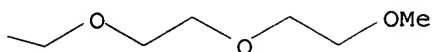
RN 496924-17-5 CAPLUS

CN 1,2-Ethanediamine, 1,2-bis[4-[2-[2-(2-methoxyethoxy)ethoxy]ethoxy]phenyl]-N,N'-dimethyl-, (1R,2R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).

PAGE 1-A





REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> log h

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
23.66	190.81

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
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CA SUBSCRIBER PRICE

SESSION WILL BE HELD FOR 60 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 10:37:40 ON 11 SEP 2006